(12)

EUROPEAN PATENT APPLICATION

- (88) Date of publication A3: 27.11.2002 Bulletin 2002/48
- (43) Date of publication A2: 30.05.2001 Bulletin 2001/22
- (21) Application number: 00310429.6
- (22) Date of filing: 24.11.2000

(51) Int Cl.7: **H04M 3/42**, H04M 3/493, G10L 15/00, H04M 7/00

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 24.11.1999 US 167290 P 21.08.2000 US 643558

(71) Applicant: Phone.Com Inc. Redwood City, CA 94063 (US)

- (72) Inventor: King, Peter F. California 94019 (US)
- (74) Representative: Ablett, Graham Keith et al Ablett & Stebbing,
 Caparo House,
 101-103 Baker Street
 London W1M 1FD (GB)

(54) Voice recognition based user interface for wireless devices

(57) The present invention relates to a wireless communication system (100) that utilizes a remote voice recognition server system (109) to translate voice input received from serviced mobile devices (102, 103) into a symbolic data file (e.g. alpha-numeric or control characters) that can be processed by the mobile devices. Initially, a voice communication channel (126) is established between the serviced mobile device and the voice recognition server. A user of the mobile device then be-

gins speaking in a fashion that may be detected by the voice recognition server system. Upon detecting the user's speech, the voice recognition server system uses a voice recognition application to translate the speech into a symbolic data file, which is then forwarded to the user through a separate data communication channel (128, 130). The user, upon receiving the symbolic data file at the mobile device, reviews and edits the content and further utilizes the file as desired.

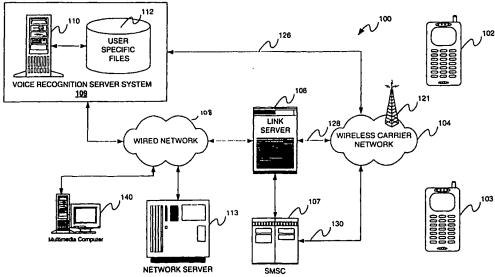


Figure 1



EUROPEAN SEARCH REPORT

Application Number

EP 00 31 0429

		ERED TO BE RELEVANT		A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
Category	Citation of document with in of relevant pass	dication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)	
X	GB 2 323 693 A (FOR 30 September 1998 (UM TECHNOLOGY LIMITED)	1,2,5,6, 8-10	H04M3/42 H04M3/493	
A	* page 11, line 1 -		3,4,7	G10L15/00 H04M7/00	
X	EP 0 854 418 A (TEX 22 July 1998 (1998-	AS INSTRUMENTS INC)	1-3,5-10		
A	* page 2, line 33 - * page 5, line 23 - * page 6, line 7 -	page 3, line 7 * line 29 *	4		
A	WO 95 17746 A (QUAL 29 June 1995 (1995- * page 6, line 26 - * figure 2 *	06-29)	1-10		
A	FOR WIRELESS NETWOR		1-10		
	'97. RHODES, GREECE EUROPEAN CONFERENCE	ECHNOLOGY. EUROSPEECH , SEPT. 22 - 25, 1997, ON SPEECH		TECHNICAL FIELDS SEARCHED (Int.Ci.7)	
	COMMUNICATION AND T (EUROSPEECH), GRENO vol. 5 OF 5, 22 September 1997 (2427-2430, XP001045 * the whole documen	BLE: ESCA, FR, 1997-09-22), pages 185	·	G10L H04M	
	•				
	The present search report has t	een drawn up for all claims			
	Place of search	Date of completion of the search	<u> </u>	Examiner	
	THE HAGUE	7 October 2002	Sch	weitz, M	
X : part Y : part docu	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another of the same category inclocalcal background	L : document cited for	cument, but public te in the application or other reasons	shed on, ar	
O : non	notogical background -written disclosure rmediate document	8 : member of the sa document	ame patent family	, corresponding	

FORM 1503 03.82



EP 00 31 0429

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

07-10-2002

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
GB 2323693	A 30-09-	30-09-1998	US	6366882	B1	02-04-2002
			GB	2323694	A,B	30-09-1998
			US	6173259		09-01-2001
P 0854418	A	22-07-1998	EP	0854418	A2	22-07-1998
			JP	10240493	A	11-09-1998
			SG	72779	Al	23-05-2000
			TW	421755	В	11-02-2001
			US	6456974	B1	24-09-2002
0 9517746	Α	29-06-1995	AU	692820	B2	18-06-1998
			AU	1375395	Α	10-07-1995
			BR	9408413	Α	05-08-1997
			CA	2179759	A1	29-06-1995
			CN		Α	18-12-1996
			EP	0736211		09-10-1996
			FΙ	962572		20-08-1996
			JP	9507105	-	15-07-1997
			WO	9517746		29-06-1995
			US	5956683		21-09-1999
			ZA	9408426	A	30-06-1995